

In the specification:

Please amend the paragraph beginning at page 22, line 27, as follows:

In a preferred embodiment, chromatography material MEP Hypercel® is used for HCIC.

C In another preferred embodiment, chromatography material MacroPrep Methyl® is used for HIC.

Please amend the paragraph beginning at page 23, line 5, as follows:

C In a preferred embodiment, anion exchange chromatography is performed using one or more of the following chromatography materials: Q Sepharose Fast Flow®, MacroPrep High Q Support®, DEAE Sepharose Fast Flow®, and Macro-Prep DEAE®. In a preferred embodiment, cation exchange chromatography is performed using one or more of: SP Sepharose Fast Flow®, Source 30S®, CM Sepharose Fast Flow®, Macro-Prep CM Support®, and Macro-Prep High S Support®.

Please amend the paragraph beginning at page 23, line 11, as follows:

C In a preferred embodiment, the method further includes subjecting the hmGCB product to size exclusion chromatography. Preferably, the size exclusion chromatography is performed using one or more of the following chromatography materials: Superdex 200®, Sephacryl S-200 HR® and Bio-Gel A 1.5m®.

Please amend the paragraph beginning at page 23, line 23, as follows:

In a preferred embodiment, chromatography material MEP Hypercel® is used for HCIC.

C In another preferred embodiment, chromatography material MacroPrep Methyl® is used for HIC.

Please amend the paragraph beginning at page 23, line 25, as follows:

C In a preferred embodiment, the method includes using anion exchange chromatography. Preferably, anion exchange chromatography is performed using one or more of the following chromatography materials: Q Sepharose Fast Flow®, MacroPrep High Q Support®, DEAE Sepharose Fast Flow®, and Macro-Prep DEAE®.

Please amend the paragraph beginning at page 23, line 29, as follows:

Ce In a preferred embodiment, the method includes using cation exchange chromatography. Preferably, cation exchange chromatography is performed using one or more of the following chromatography materials: SP Sepharose Fast Flow®, Source 30S®, CM Sepharose Fast Flow®, Macro-Prep CM Support®, and Macro-Prep High S Support®.

Please amend the paragraph beginning at page 24, line 3, as follows:

C7 In a preferred embodiment, the method includes using size exclusion chromatography. Preferably, the size exclusion chromatography is performed using one or more of the following chromatography materials: Superdex 200®, Sephacryl S-200 HR® and Bio-Gel A 1.5m®.

Please amend the paragraphs beginning at page 24, line 21, as follows:

In a preferred embodiment, chromatography material MEP Hypercel® is used for HCIC. In another preferred embodiment, chromatography material MacroPrep Methyl® is used for HIC.

C8 In a preferred embodiment, anion exchange chromatography is performed using one or more of the following chromatography materials: Q Sepharose Fast Flow®, MacroPrep High Q Support®, DEAE Sepharose Fast Flow®, and Macro-Prep DEAE®.

In a preferred embodiment, cation exchange chromatography is performed using one or more of the following chromatography materials: SP Sepharose Fast Flow®, Source 30S®, CM Sepharose Fast Flow®, Macro-Prep CM Support®, and Macro-Prep High S Support®.

In a preferred embodiment, size exclusion chromatography is performed using one or more of the following chromatography materials: Superdex 200®, Sephacryl S-200 HR® and Bio-Gel A 1.5m®.

Please amend the paragraph beginning at page 41, line 28, as follows:

C9 Preferably, HCIC or HIC can be combined with one or more of these ion exchange steps. When a combination of HCIC or HIC and various ion exchange or gel filtration steps are used, they can be performed in any order. For example, as described below a four step procedure can

Applicant : Peter Francis Daniel et al.
Serial No. : 09/641,471
Filed : August 18, 2000
Page : 4 of 19

Attorney's Docket No.: 10278-017001 / 0013 (old 00-2)

Ca be followed which includes HCIC using hydrophobic charge induction chromatography material MEP Hypercel® chromatography or HIC using hydrophobic interaction chromatography material MacroPrep Methyl® chromatography, then ion-exchange chromatography resins Q Sepharose Fast Flow®, SP Sepharose Fast Flow® and lastly size-exclusion chromatography resin Superdex 200®. Several of these procedures are set forth in more detail below.

Please amend the paragraphs beginning at page 51, line 16, as follows:

C/D In experiments with HT-1080 cells expressing activated endogenous glucocerebrosidase (Gene-Activated™ GCB (GA-GCB)), the cells were treated with either kifunensine or swainsonine at concentrations ranging from 0.1 to 2 µg/mL.
